

IN THE CLAIMS

1. (currently amended) A phone-interface device, comprising:

a receiver configured to receive a wireless signal from a control panel that receives signals from at least two sensors and that determines whether to send an alarm report to said phone interface device, wherein the wireless signal from the control panel encodes information regarding a sensor event monitored by a monitoring station;

a phone port configured to connect to a telephone line and to receive configuration data from the monitoring station, wherein the phone-interface device including the receiver and the phone port is a device separate than the control panel that receives the signals from the at least two ~~sensors; and~~sensors;

a power supply comprising the telephone line; and

a controller comprising a processor configured to receive, via the telephone line, power used to energize a component.

2. (original) The phone-interface device of claim 1, further comprising:

memory to contain data received from the control panel.

3. (currently amended) The phone-interface device of claim 2, ~~further comprising:~~

awherein the controller is configured to buffer the data in the memory.

4. (original) The phone-interface device of claim 3, wherein the controller is to buffer the data in the memory when a first data-rate between the phone-interface device and the control panel is too slow to accommodate a second data-rate between the phone-interface device and the monitoring station.

5. (original) The phone-interface device of claim 3, when the controller is to buffer the data in the memory in anticipation of the monitoring station requesting the data.

6. (original) The phone-interface device of claim 1, further comprising:

memory to contain data received from the monitoring station.

7. (currently amended) The phone-interface device of claim 6, ~~further comprising:~~

awherein the controller is configured to buffer the data in the memory when a data rate between the phone-interface device and the control panel is too slow to accommodate a data-rate between the phone-interface device and the monitoring station.

8. (currently amended) A phone-interface device, comprising:

a phone port configured to connect to a telephone line and to receive configuration data from a monitoring station, wherein the monitoring station monitors a sensor event based on signals generated by a sensor;

a transmitter configured to send the configuration data via a wireless signal to a control panel, wherein the control panel is configured to receive the signals from the sensor, and the phone-interface device including the transmitter and the phone port is a device separate than the control panel that receives the signals from the ~~sensor;~~
andsensor;

a power supply comprising the telephone line; and

a controller comprising a processor configured to receive, via the telephone line, power used to energize a component.

9. (previously presented) The phone-interface device of claim 8, further comprising:

memory to store the configuration data for later communication to the control panel.

10. (original) The phone-interface device of claim 8, wherein the transmitter is to send the configuration data to the control panel while the phone port is on-hook.

11. (original) The phone-interface device of claim 8, wherein the transmitter sends the configuration data to the control panel while the phone port is offhook.

12. (original) The phone-interface device of claim 8, wherein the phone port is to call a designated device to report success or failure of transmission of the configuration data.

13. (previously presented) The phone-interface device of claim 8, wherein the configuration data is tones, said transmitter configured to relay the tones to the control panel via the wireless signal.

14. (original) The phone-interface device of claim 13, wherein the tones are DTMF tones.

15. (previously presented) The phone-interface device of claim 13, wherein a telephone and the phone port are on a same premises.

16. (original) The phone-interface device of claim 14, wherein the telephone is off-premises from the phone-interface device.

17. (canceled)

18. (previously presented) The phone-interface device of claim 8, wherein the sensor senses a trouble condition at the phone-interface device.

19. (previously presented) The phone-interface device of claim 18, wherein the trouble condition further comprises at least one of phone line removal, cover removal, removal from mounting, low battery, and power supply trouble.

20-26. (canceled)

27. (previously presented) The phone-interface device of claim 1 wherein the power supply further comprises at least one of a capacitor and a battery.

28. (previously presented) The phone-interface device of claim 1 wherein power is supplied to the phone-interface device through the telephone line and at least one of a capacitor and a battery.

29. (previously presented) The phone-interface device of claim 1 wherein the phone-interface power supply is different from a power supply of the control panel.

30. (previously presented) The phone-interface device of claim 8 wherein the power supply further comprises at least one of a capacitor and a battery.

31. (previously presented) The phone-interface device of claim 8 wherein power is supplied to the phone-interface device through the telephone line and at least one of a capacitor and a battery.

32. (previously presented) The phone-interface device of claim 8 wherein the power supply is different from a power supply of the control panel.

33. (previously presented) A phone-interface device configured to transmit data to a control panel, the phone-interface device comprising:

a phone port;

a transmitter configured to send data received from the phone port to the control panel utilizing wireless transmission; and

a memory,

wherein if a wireless link between the phone-interface device and the control panel is not fast enough to keep up with the data transfer rate of the data arriving at the phone port, the data is saved to the memory at the data transfer rate of the data arriving at the phone port, and then the data is transferred from the memory to the control panel at a data transfer rate equal to or less than the data transfer rate of the wireless link, and

if the wireless link between the phone-interface device and the control panel is fast enough to keep up with the data transfer rate of the data arriving at the phone port, the data is transferred real time from the phone port to the control panel at the data transfer rate of the data arriving at the phone port.

34. (previously presented) A phone-interface device configured to receive data from a control panel, the phone-interface device comprising:

a phone port;

a receiver configured to receive a wireless signal from the control panel for transmission through the phone port; and

a memory,

wherein if a wireless link between the control panel and the phone-interface device is not fast enough to keep up with the data transfer rate of the data to be transmitted from the phone port, the data is saved to the memory at the data transfer rate of the wireless link, then the data is transferred from the memory to the phone port at a data transfer approximately equal to the data transfer rate of the phone port, and

if the wireless link between the control panel and the phone-interface device is fast enough to keep up with the data transfer rate of the data to be transmitted from the phone port, the data is transferred real time from the control panel to the phone port at the data transfer rate of the data to be transmitted from the phone port.

35. (previously presented) A security system comprising:

an entry sensor;

a phone-interface device comprising a phone port, a controller and a wireless receiver; and

a control panel comprising a wireless transmitter configured to transmit a provisional alarm to the wireless receiver upon activation of the entry sensor, if the phone interface device receiver receives the provisional alarm, then the phone-interface device controller is configured to send an alarm message through the phone port unless a disarm message is received by the phone-interface device receiver from the control panel transmitter within a pre-determined period of time from the reception by the receiver of the provisional alarm.

36. (previously presented) A phone-interface device configured to transmit data to a control panel, the phone-interface device comprising:

a phone port;

a transmitter configured to send data received from the phone port to the control panel utilizing wireless transmission; and

a memory,

wherein if a wireless link between the phone-interface device and the control panel is not fast enough to keep up with the data transfer rate of the data arriving at the phone port, the data is saved to the memory at the data transfer rate of the data arriving at the phone port, and then the data is transferred from the memory to the control panel at a data transfer rate equal to or less than the data transfer rate of the wireless link.

37. (previously presented) A phone-interface device configured to receive data from a control panel, the phone-interface device comprising:

a phone port;

a receiver configured to receive a wireless signal from the control panel for transmission through the phone port; and

a memory,

wherein if a wireless link between the control panel and the phone-interface device is not fast enough to keep up with the data transfer rate of the data to be transmitted from the phone port, the data is saved to the memory at the data transfer rate of the wireless link, then the data is transferred from the memory to the phone port at a data transfer approximately equal to the data transfer rate of the phone port.

38. (new) The phone-interface device of claim 1, wherein the processor is configured to receive power via the telephone line upon determining that a phone coupled to the controller is off-hook.

39. (new) The phone-interface device of claim 1, further comprising an energy storage device, wherein the processor is configured to receive power via the telephone line upon determining that a phone coupled to the controller is off-hook, and wherein the processor is configured to store power received via the telephone line within the energy storage device.

40. (new) The phone-interface device of claim 1, further comprising an energy storage device, wherein the processor is configured to receive power via the telephone line upon placing a call, via the telephone line, to the monitoring station.

41. (new) The phone-interface device of claim 1, further comprising an energy storage device, wherein the processor is configured to store power received via the telephone line within the energy storage device.